Author index

Abbruzzese, A., Park, M.H., Beninati, S. and Folk, J.E.
Inhibition of deoxyhypusine hydroxylase by polyamines and by a deoxyhypusine peptide (997) 248
Aikawa, E., see Kawano, J.-i. (997) 199
Aird, S.D., Middaugh, C.R. and Kaiser, I.I.
Spectroscopic characterization of textilotoxin, a presynaptic neurotoxin from the venom of the Australian eastern brown snake (*Pseudonaja t. textilis*) (997) 219
Aird, S.D., Steadman, B.L., Middaugh, C.R. and Kaiser, I.I.
Comparative spectroscopic studies of four crotoxin homologs and their subunits (997) 211
Albracht, S.P.J., see Coremans, J.M.C.C. (997) 256
Alm, R., see Lindmark, B. (997) 90
Anderson, B.M., see Beier, K.H. (997) 236
Anderson, C.D., see Beier, K.H. (997) 236
Andley, U.P. and Clark, B.A.
Photoreactions of human lens monomeric crystallins (997) 284
Araujo, P.S., see Arêas, E.P.G. (997) 15
Arêas, E.P.G., Laure, C.J., Gabilan, N., Araujo, P.S. and Kawano, Y.
Raman and infrared studies on the conformation of porcine pancreatic and *Crotalus durissus terrificus* phospholipases A_2 (997) 15
Åslund, N., see Blombäck, B. (997) 96
Asryants, R.A., Kuzminskaya, E.V., Tishkov, V.I., Douzhenkova, I.V. and Nagradova, N.K.
An examination of the role of arginine residues in the functioning of D-glyceraldehyde-3-phosphate dehydrogenase (997) 159

Balasubramaniam, A., Renugopalakrishnan, V., Rigel, D.F., Nussbaum, M.S., Rapaka, R.S., Dobbs, J.C., Carreira, L.A. and Fischer, J.E.
Synthesis and biological properties of 4-norleucine-neuropeptide Y; secondary structure of neuropeptide Y (997) 176
Beier, K.H., Anderson, C.D. and Anderson, B.M.
Nonpolar interactions in the modification of an essential sulfhydryl of sorbitol dehydrogenase by *N*-alkylmaleimides (997) 236
Benassayag, C., see Vallette, G. (997) 302
Beninati, S., see Abbruzzese, A. (997) 248
Berkow, R.L., Dodson, R.W. and Kraft, A.S.
Human neutrophils contain distinct cytosolic and particulate tyrosine kinase activities: possible role in neutrophil activation (997) 292
Betts, G.F., see Levy, L.M. (997) 331
Bhuyan, A.K., Lemtur, A., Subramanian, J. and Lalthantluanga, R.
Conformation of bovine nitrosylhemoglobins: an ESR study (997) 36
Bilińska, B., see Stępień, K.B. (997) 49
Birktoft, J.J., see Wilder, R.T. (997) 65
Blombäck, B., Carlsson, K., Hessel, B., Liljeborg, A., Procyk, R. and Åslund, N.
Native fibrin gel networks observed by 3D microscopy, permeation and turbidity (997) 96
Bodenmüller, H., see Saffrich, R. (997) 144
Bontemps, F., Vincent, M.F., Van den Bergh, F., Van Waeg, G. and Van den Berghe, G.
Stimulation by glycerate 2,3-bisphosphate: a common property of cytosolic IMP-GMP 5′-nucleotidase in rat and human tissues (997) 131
Botré, C. and Botré, F.
Carbonic anhydrase and urease: an investigation in vitro on the possibility of a synergic action (997) 111
Botré, F., see Botré, C. (997) 111
Broadhurst, M.J., see Williamson, M.P. (997) 9
Browne, C.A., see Hey, A.W. (997) 27
Brunet, J.E., see Jullian, C. (997) 206

Cann, J.R., see Rao, A.G.A. (997) 278
Carlsson, K., see Blombäck, B. (997) 96
Carreira, L.A., see Balasubramaniam, A. (997) 176
Cassaigne, A., see Dumora, C. (997) 193
Cheng, C.-H.C. and DeVries, A.L.
Structures of antifreeze peptides from the antarctic eel pout, *Austrolycicthys brachycephalus* (997) 55
Chishti, S.B., see Cohen, S.G. (997) 167
Chottard, G.
Formation of cyanoferricytochrome *c* in the presence of potassium ferricyanide, in the course of a Raman resonance experiment (997) 155
Chowrashi, P.K. and Pepe, F.A.
The myosin filament XIII. The sensitivity of LMM assembly to Mg · ATP (997) 182
Clark, B.A., see Andley, U.P. (997) 284
Cohen, J.B., see Cohen, S.G. (997) 167
Cohen, S.G., Salih, E., Solomon, M., Howard, S., Chishti, S.B. and Cohen, J.B.
Reactions of 1-bromo-2-[^{14}C]pinacolone with acetylcholinesterase from *Torpedo nobiliana*. Effects of 5-trimethylammonio-2-pentanone and diisopropyl fluorophosphate (997) 167
Colson, C., see Lobet, Y. (997) 224
Coremans, J.M.C.C., Van der Zwaan, J.W. and Albracht, S.P.J.
Redox behaviour of nickel in hydrogenase from *Methanobacterium thermoautotrophicum* (strain Marburg). Correlation between the nickel valence state and enzyme activity (997) 256

Dalton, L.R., see Wilder, R.T. (997) 65
Davis, P.D., see Williamson, M.P. (997) 9
DeVries, A.L., see Cheng, C.-H.C. (997) 55
Dobbs, J.C., see Balasubramaniam, A. (997) 176
Dodson, R.W., see Berkow, R.L. (997) 292
Douzhenkova, I.V., see Asryants, R.A. (997) 159
Dryden, D.T.F. and Pain, R.H.
Assignment of the heterogeneous static and time-resolved tryptophan fluorescence of 3-phosphoglycerate kinase (997) 313
Dumora, C., Lacoste, A.-M. and Cassaigne, A.
Phosphonoacetaldehyde hydrolase from *Pseudomonas aeruginosa*: purification properties and comparison with *Bacillus cereus* enzyme (997) 193
Dworzański, J.P., see Stępień, K.B. (997) 49

Eriksson, S., see Lindmark, B. (997) 90
Ewart, G.D. and Smith, G.D.
Immunochemical analysis of the soluble hydrogenase from the cyanobacterium *Anabaena cylindrica* (997) 83

Fink, N.H., see Rao, A.G.A. (997) 278

Fischer, J.E., see Balasubramaniam, A. (997) 176
Folk, J.E., see Abbruzzese, A. (997) 248
Fujii, T., see Ogoma, Y. (997) 188

Gabilan, N., see Arêas, E.P.G. (997) 15
Grand, R.J.A., see Raggi, A. (997) 135

Hachimori, A., see Ogoma, Y. (997) 188
Hatano, M., see Ogoma, Y. (997) 188
Hessel, B., see Blombäck, B. (997) 96
Hey, A.W., Browne, C.A., Simpson, R.J. and Thorburn, G.D.
Simultaneous isolation of insulin-like growth factors I and II from adult sheep serum (997) 27
Hollek, A.M., see Stępień, K.B. (997) 49
Howard, S., see Cohen, S.G. (997) 167
Hunt, J.B., see Ubom, G.A. (997) 1

Jameson, D.M., see Jullian, C. (997) 206
Jones, L.R., see Simmerman, H.K.B. (997) 322
Jullian, C., Brunet, J.E., Thomas, V. and Jameson, D.M.
Time-resolved fluorescence studies on protoporphyrin IX-apohorseradish peroxidase (997) 206

Kaiser, I.I., see Aird, S.D. (997) 211
Kaiser, I.I., see Aird, S.D. (997) 219
Kalbitzer, H.R., see Saffrich, R. (997) 144
Kawano, J.-i., Kotani, T., Ohtaki, S., Minamino, N., Matsuo, H., Oinuma, T. and Aikawa, E.
Characterization of rat and human steroid sulfatases (997) 199
Kawano, Y., see Arêas, E.P.G. (997) 15
Kinzel, V., see Šonka, J. (997) 268
Kobayashi, H., see Ogoma, Y. (997) 188
Kondo, Y., see Ogoma, Y. (997) 188
Kooistra, C. and Sluyterman, L.A.A.E.
Isosteric and non-isosteric modification of carboxyl groups of papain (997) 115
Kotani, T., see Kawano, J.-i. (997) 199
Kraft, A.S., see Berkow, R.L. (997) 292
Kübler, D., see Šonka, J. (997) 268
Kuzminskaya, E.V., see Asryants, R.A. (997) 159

Lacoste, A.-M., see Dumora, C. (997) 193
Lalthantluanga, R., see Bhuyan, A.K. (997) 36
Laure, C.J., see Arêas, E.P.G. (997) 15
Lemtur, A., see Bhuyan, A.K. (997) 36
Levy, L.M. and Betts, G.F.
Stereospecificity of C4 nicotinamide hydrogen transfer of the NADP-dependent glyceraldehyde-3-phosphate dehydrogenase (997) 331
Lhoest, J., see Lobet, Y. (997) 224
Lilja, H., see Lindmark, B. (997) 90
Liljeborg, A., see Blombäck, B. (997) 96
Lindmark, B., Lilja, H., Alm, R. and Eriksson, S.
The microheterogeneity of desialylated α_1-antichymotrypsin: the occurrence of two amino-terminal isoforms, one lacking a His-Pro dipeptide (997) 90
Lobet, Y., Lhoest, J. and Colson, C.
Partial purification and characterization of the specific protein-lysine *N*-methyltransferase of YL32, a yeast ribosomal protein (997) 224
Lovelace, D.E., see Simmerman, H.K.B. (997) 322

Martin, M.-E., see Vallette, G. (997) 302
Matsuo, H., see Kawano, J.-i. (997) 199
Middaugh, C.R., see Aird, S.D. (997) 211
Middaugh, C.R., see Aird, S.D. (997) 219
Minamino, N., see Kawano, J.-i. (997) 199
Moir, A.J.G., see Raggi, A. (997) 135
Muhn, P., see Saffrich, R. (997) 144

Nagradova, N.K., see Asryants, R.A. (997) 159
Nixon, J.S., see Williamson, M.P. (997) 9
Nunez, E.A., see Vallette, G. (997) 302
Nussbaum, M.S., see Balasubramaniam, A. (997) 176

Ogoma, Y., Shimizu, T., Kobayashi, H., Fujii, T., Hachimori, A., Kondo, Y. and Hatano, M.
Effects of Ca^{2+} and Zn^{2+} on trifluoperazine–S100 proteins interactions: induced circular dichroism and fluorescence spectra (997) 188
Ohtaki, S., see Kawano, J.-i. (997) 199
Oinuma, T., see Kawano, J.-i. (997) 199
Ozols, J.
Structure of cytochrome b_5 and its topology in the microsomal membrane (997) 121

Pain, R.H., see Dryden, D.T.F. (997) 313
Park, J.H., see Wilder, R.T. (997) 65
Park, M.H., see Abbruzzese, A. (997) 248
Pepe, F.A., see Chowrashi, P.K. (997) 182
Perry, S.V., see Raggi, A. (997) 135
Pipkorn, R., see Saffrich, R. (997) 144
Porębska-Budny, M., see Stępień, K.B. (997) 49
Procyk, R., see Blombäck, B. (997) 96

Raggi, A., Grand, R.J.A., Moir, A.J.G. and Perry, S.V.
Structure–function relationships in cardiac troponin T (997) 135
Rao, A.G.A., Stewart, J.M., Vavrek, R.J., Sillerud, L.O., Fink, N.H. and Cann, J.R.
A fluorometric study of the interaction of bradykinin with lipids (997) 278
Rapaka, R.S., see Balasubramaniam, A. (997) 176
Renugopalakrishnan, V., see Balasubramaniam, A. (997) 176
Rigel, D.F., see Balasubramaniam, A. (997) 176
Robinson, J.D.
Modification of ligand binding to the Na^+/K^+-activated ATPase (997) 41

Saffrich, R., Kalbitzer, H.R., Bodenmüller, H., Muhn, P., Pipkorn, R. and Schaller, H.C.
^{1}H-Nuclear magnetic resonance studies of the neuropeptide head activator (997) 144
Salih, E., see Cohen, S.G. (997) 167
Schaller, H.C., see Saffrich, R. (997) 144
Schallreuter, K.U. and Wood, J.M.
Calcium regulates thioredoxin reductase in human metastatic melanoma (997) 242
Shimizu, T., see Ogoma, Y. (997) 188
Sillerud, L.O., see Rao, A.G.A. (997) 278
Simmerman, H.K.B., Lovelace, D.E. and Jones, L.R.
Secondary structure of detergent-solubilized phospholamban, a phosphorylatable, oligomeric protein of cardiac sarcoplasmic reticulum (997) 322
Simpson, R.J., see Hey, A.W. (997) 27
Sluyterman, L.A.A.E., see Kooistra, C. (997) 115
Smith, G.D., see Ewart, G.D. (997) 83
Solomon, M., see Cohen, S.G. (997) 167
Šonka, J., Kübler, D. and Kinzel, V.
Phosphorylation by cell surface protein kinase of bovine and human fibrinogen and fibrin (997) 268
Steadman, B.L., see Aird, S.D. (997) 211
Stępień, K.B., Dworzański, J.P., Bilińska, B., Porębska-Budny, M., Hollek, A.M. and Wilczok, T.
Catecholamine melanins. Structural changes induced by copper ions (997) 49

Stewart, J.M., see Rao, A.G.A. (997) 278
Subramanian, J., see Bhuyan, A.K. (997) 36

Thomas, V., see Jullian, C. (997) 206
Thorburn, G.D., see Hey, A.W. (997) 27
Timmons, R.B., see Ubom, G.A. (997) 1
Tishkov, V.I., see Asryants, R.A. (997) 159
Trommer, W.E., see Wilder, R.T. (997) 65
Tsou, C.-L., see Wu, H. (997) 78

Ubom, G.A., Hunt, J.B. and Timmons, R.B.
Spin-labeled analogues of ATP, ADP and AMP: substitutes for normal nucleotides in biochemical systems (997) 1

Vallette, G., Vranckx, R., Martin, M.-E., Benassayag, C. and Nunez, E.A.
Conformational changes in rodent and human α-fetoprotein: influence of fatty acids (997) 302
Van den Bergh, F., see Bontemps, F. (997) 131
Van den Berghe, G., see Bontemps, F. (997) 131
Van der Zwaan, J.W., see Coremans, J.M.C.C. (997) 256
Van Waeg, G., see Bontemps, F. (997) 131
Vavrek, R.J., see Rao, A.G.A. (997) 278
Venkataramu, S.D., see Wilder, R.T. (997) 65
Vincent, M.F., see Bontemps, F. (997) 131
Vranckx, R., see Vallette, G. (997) 302

Wilczok, T., see Stępień, K.B. (997) 49
Wilder, R.T., Venkataramu, S.D., Dalton, L.R., Birktoft, J.J., Trommer, W.E. and Park, J.H.
Catalytic mechanism and interactions of NAD $^+$ with glyceraldehyde-3-phosphate dehydrogenase: correlation of EPR data and enzymatic studies (997) 65
Williamson, M.P., Davis, P.D., Broadhurst, M.J. and Nixon, J.S.
^{1}H-NMR and protection studies of interactions between ligands and bovine pancreatic phospholipase A_2 (997) 9
Wolfe, A.D.
The monoclonal antibody AE-2 modulates fetal bovine serum acetylcholinesterase substrate hydrolysis (997) 232
Wood, J.M., see Schallreuter, K.U. (997) 242
Wu, H., Yao, Q.-Z. and Tsou, C.-L.
Creatine kinase is modified by 2-chloromercuri-4-nitrophenol at the active site thiols with complete inactivation (997) 78

Yao, Q.-Z., see Wu, H. (997) 78